1.(twice amended) A method for generating a moving haven boundary along a voyage plan comprising the steps of:

establishing a width[, centered on said voyage plan,] for said <u>moving haven</u> boundary;

creating [boundary] rectangles <u>centered on said voyage plan</u>, said rectangles having edges [at] <u>separated by</u> said width and lengths equal to lengths of strait line portions of said voyage plan[, said boundary comprising said edges]; and

determining pie shaped areas between rectangles at waypoints of said voyage plan, <u>each of</u> said pie shaped areas having [arcs between edges of] <u>an arc centered</u> <u>at a waypoint and extending between vertices of</u> rectangles on either side of said waypoint[s].

establishing said moving haven boundary with a polygonal line comprising said edges and said arcs.

Claim 3

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lines 1-5 delete "said voyage plan includes an origin, at least one waypoint, a first waypoint of said at least one waypoint being at a specified distance from said origin, distances between adjacent waypoints of said at least one waypoint, a selected distance from a last waypoint of said at least one waypoint to an end point, and"

lines 11 and 12 delete "of said at least one waypoint"

Claim 6 line 1 delete "5" and insert therefore --1-

lines 1 and 2 delete "approximating step includes" and insert therefore
-- arcs are approximated with--

8.(twice amended) A method in accordance with claim [7] 1 [wherein said generating step includes] further including the steps of:

forming buffer rectangles centered on said boundary having widths equal to twice [said] <u>a</u> selected distance <u>from said boundary</u> and lengths equal to distances between vertices of said boundary;

forming buffer arcs between vertices of said buffer edges, said buffer edges and said buffer arcs establishing polygonal lines internal and external to said boundary; and

selecting said internal polygonal lines as [said] <u>a</u> buffer boundary.

20.(amended) An apparatus for providing a moving haven boundary along a voyage plan comprising:

generator means for generating a polygonal line having line segments and waypoints of said voyage plan;

rectangle means coupled to said generator means for establishing rectangle line segments of rectangles along respective segments of said polygonal line, each rectangle centered on said polygonal line of said voyage plan, having a width equal to a preselected width of said moving haven and a length equal to its respective line segment length;

arc means coupled to said rectangle means for providing an arc between a trailing edge of a first rectangle and a leading edge of a second rectangle at a selected waypoint, said leading and trailing edges intersecting at said selected waypoint, said arc being represented by a series of arc line segments and formed about an obtuse angle formed by said polygonal line at said selected waypoint; and

boundary means coupled to said rectangle means and said arc means for generating said moving haven boundary.